



LGMA Advisory Board accepted changes to the Food Safety Practices effective July 23, 2010

Requirements for Windrow Composting

Addition to (page 25 January 2010 metrics document) line 532 in Table 2. Soil Amendments, Composted Soil Amendments:

Amend text to the following:

Windrow Composting:

Active compost must maintain aerobic conditions for a minimum of 131 F or higher for 15 days or longer, with a minimum of five turnings during this period.

Requirements for Sampling Plan:

Addition to (page 26 of January 2010 metrics document) line 533 in Table 2. Soil Amendments, Composted Soil Amendments:

Amend text to the following:

Sampling Plan:

- ~~12 point sampling composite sample (divide each lot/pile into a 3 x 4 grin and extract 12 equivolume samples.)~~
- A composite sample shall be representative and random and obtained as described in the California state regulations.
- Sample may be taken by the supplier if trained by a the testing laboratory or state authority.

Requirements for Sampling Plan:

Addition to (page 27 of January 2010 metrics document) line 534 in Table 2. Soil Amendments, Heat Treated Soil Amendments:

Amend text to the following:

Sampling Plan A:

- Extract at least 12 sampling plan composite equivolume samples ~~(divide each lot/pile into a 3 x 4 grid and extract 12 equivolume samples)~~ (identify 12 separate locations from which to collect the subsample, in case of bagged product 12 individual bags).
- Sample may be taken by the supplier if trained by a the testing laboratory or state authority.

These changes amends language in Table 2, Soil Amendments for **Windrow Composting, Sampling Plan for Composted Soil Amendments, and Sampling Plan for Heat Treated Soil Amendments**, by adding the requirements of 131 F or higher for 15 days or longer and collecting composite samples for each process to be consistent with the requirements established in the California Code of Regulations (CCR).

Requirements for Application Interval:

Addition to (page 28 of January 2010 metrics document) line 534 in Table 2. Soil Amendments, Heat Treated Soil Amendments:

Amend text to the following:

Application Interval:

- If the physical heat treatment process used to inactivate human pathogens of significant public health concern that may be found in animal manure containing soil amendments is validated, and meets the microbial acceptance criteria outlined ~~below~~ above, then no time interval is needed between application and harvest.
- If the physical heat treatment process used to inactivate human pathogens of significant public health concern that may be found in animal manure containing soil amendments is not validated but will likely significantly reduce microbial populations of human pathogens ~~(minimum at a temperature: 300 F (150 C) for 60 minutes resulting in a moisture content <30% dry weight)~~ and meets ~~that~~ microbial acceptance criteria outlined above, then a 45 day interval between application and harvest is required.

These changes amends language in Table 2, Soil Amendments for **Application Interval** to make a technical correction referencing acceptance criteria for a process authority and delete the minimum time and temperature requirements and the maximum percentage of dry weight of heat treated soil amendments containing animal manure. The changes address the need to allow for heat treated soil amendment processes not validated to be able to verify that their process works by testing each lot for compliance based upon the expectation that the process is sufficient to kill pathogens.

Decision Trees for Soil Amendments:

Additions to (page 30 of January 2010 metrics document) lines 537 for Figure 2A, Decision Tree for Composted Soil Amendments and Figure 2B, Decision Tree Heat Treated Soil Amendments:

The amendments to Figure 2A and 2B were made to reflect those changes made to Table 2 for conducting a 12 point sampling plan and the application interval for heat treated soil amendments.